C
N81cuH
1891/92

UNIVERSITY OF NORTH CAROLINA

1891-'92

CHAPEL HILL

CALENDAR.

1892.

August 30 and 31.	Entrance Examinations and Registration.
September 1.	Beginning of Session.
October 12.	University Day.
November 24.	Thanksgiving.
December 11—21.	Examinations.
December 22.	Christmas Recess begins.

1893.

January 3 and 4.	Entrance Examinations and Registration.
January 5.	Beginning of Second Term.
February 22.	Washington's Birthday.
March 4–11.	Examinations.
May 1.	Senior Orations presented.
May 23—June 3.	Examinations.
June 4.	Baccalaureate Sermon.
June 5.	Student Day.
June 6.	Alumni Day.
June 7.	Commencement.

CONTENTS.

	PAGE.
The University:	
General Sketch,	5—9
Expenses,	9
Aid-Funds and Scholarships,	10
Departments of Instruction:	
Political and Social Science,	11
History,	11
English,	12
Greek,	13
Latin,	13
Modern Languages,	14
Mental and Moral Science,	14
Mathematics and Engineering,	15
Chemistry,	15
Natural Philosophy,	16
Biology,	16
Mineralogy and Geology,	16
Law,	17
Medicine,	17
Methods of Instruction:	
Political and Social Science,	18
History,	18
English,	19
Greek,	20
Latin,	21
Modern Languages,	21
Mental and Moral Science,	22
Chemistry,	22
Natural Philosophy,	23
Biology,	24
Mineralogy and Geology,	25
Engineering,	25
Courses of Study:	
In Arts,	27
In Philosophy,	28
In Science,	28
In Letters,	29
In Engineering,	29
Brief Courses,	30
Instruction of Graduates,	31
Degrees, Medals and Prizes,	32
Entrance Examinations,	34
Law School,	36
Preparatory School of Medicine,	38
Catalogue of Officers and Students:	
Trustees,	40
Faculty,	43
Alumni Associations,	45
Students,	46
Programme of Commencement, 1891,	54

THE UNIVERSITY.

The University is a State institution for the higher education of young men. It is governed by a Board of Trustees elected by the Legislature, and is free from sectional, sectarian or political control. The Governor of the State is *ex officio* President of the Board, and the Superintendent of Public Instruction is *ex officio* a trustee. The University was established in obedience to a clause of section 41 of the Constitution of the State, adopted on the 18th of December, 1776, viz.: "All useful learning shall be duly encouraged and promoted in one or more Universities." The charter was granted in 1789, the corner-stone of the Old East Building was laid in 1793, and the University was opened in 1795.

Location.—The seat of the University is Chapel Hill, Orange county, twenty-eight miles north-west of Raleigh. Two daily passenger trains run between Chapel Hill and University Junction, a station on the N. C. Railroad. The site was selected because of its uncommon healthfulness, its freedom from malaria, its supply of pure water, its beautiful scenery and its central position in the State.

Instruction.—The University offers instruction in the following departments: Political and social science, history, English, Greek, Latin, modern languages, mental and moral science, mathematics, engineering, chemistry, natural philosophy, biology, mineralogy and geology. There are also special schools of law and of medicine. Detailed statements are made on page eleven *et seq.* Five regular courses of study leading to degrees have been carefully arranged for students who desire a thorough general education. Special short courses are suggested as a brief preparation for the study of medicine, for business, for agriculture, for teaching, for the study of law, or for journalism. Students not candidates for degrees may select such studies as they desire, and may devote themselves entirely to one or more studies. Free instruction is offered in all departments to graduates of colleges and universities.

Equipment.—The teaching force of the University consists of fifteen professors, four instructors and two assistants in the laboratories. There are laboratories for practical work in chemistry, biology, natural philosophy, mineralogy and geology. The engineering department is provided with proper instruments. The library contains thirty thousand volumes and five thousand pamphlets. It is open five hours daily, and is used not merely for general culture, but for special training and original research. The reading-room contains sixty-five of the leading magazines, reviews and journals. It is open ten hours daily. The University Campus contains forty-eight acres of land, affording ample ground for the buildings and for all sorts of athletic sports. Contiguous to the Campus the University owns five hundred acres of forest land, which is partly laid off into walks and drives. There are eleven University buildings. The South Building contains the University offices, the Young Men's Christian Association hall and sitting-room, two lecture-rooms and twenty-six dormitories. The Old East Building contains one lecture-room, one room for drawing, the Shakspere Club library and sitting-room, and twenty-seven dormitories. The Old West Building contains four lecture-rooms and twenty-four dormitories. Person Hall contains the chemical laboratories, museums, and lecture-room. Gerrard Hall is used for morning prayers and public lectures. Smith Hall contains the library and the reading-room. The New West Building contains the Dialectic Literary Society hall, the laboratories and lecture-room in natural philosophy, and eight dormitories. The New East Building contains the Philanthropic Literary Society hall, the laboratory, lecture-room and museum in biology, the laboratories, lecture-rooms and museums in mineralogy and geology, the Latin and Greek lecture-rooms, the Latin Seminary room, and eleven dormitories. The Medical Building contains equipment for dissecting, and is isolated from the others. Memorial Hall is used for Commencement exercises and contains marble tablets in memory of the illustrious dead of the University. The Gymnasium is rented by the University for athletic training.

Athletics and Health.—Hearty encouragement is given to all manly and healthful athletic sports. There are large, well-graded and well-kept fields for foot-ball, base-ball, running, and vaulting. The tennis clubs maintain a dozen courts. Systematic exercise in the Gymnasium under a skilled instructor is required of all students except Seniors and those disabled physically. On payment of a small medical fee each student is entitled to the careful attention of the physician in charge of the Medical Department. In this way the best medical advice is obtained at the least cost. The education and intelligent care of the body is recognized as of the greatest importance.

Discipline.—The University discipline is manly and self-reliant. There is no system of espionage, nor of demerits, nor of petty restraint, nor of compulsory pledges. The discipline aims to develop character by educating the conscience. The University deals honestly with students and parents, making regular and special reports to both as to progress in mental, moral and physical culture.

Morality and Religion.—The University recognizes morality and religion as essential to character and as instruments of culture. Daily morning prayers are held in the chapel by the professors or by ministers resident in the village. During the present year regular assistance has been kindly given by Rev. John L. Carroll, A. M., D. D., Rev. James E. Fogartie, A. M., Rev. Frederick Towers, A. B., Rev. N. M. Watson, and Rev. J. C. Hocutt. Bible classes for young men are taught in each of the four churches of the village every Sunday, and there are regular services twice a week or oftener. A series of University sermons is preached, one each month, in the University chapel under the auspices of the Young Men's Christian Association. The preachers for 1891–'92 are Rt. Rev. Edward Rondthaler, D. D., Rev. Joseph B. Cheshire, Jr., D. D., Rev. B. F. Dixon, D. D., Rev. W. S. P. Bryan, and Rev. A. G. McManaway. The Young Men's Christian Association meets five times a week for prayer, song, and other services. The moral tone of the University is manly, self-reliant and healthy; its religious life is active, broad and tolerant.

Literary Societies.—The Dialectic and Philanthropic Societies were organized at the same time as the University, in 1795. Their existence has been inseparably linked with the University, and they have shown remarkable power in developing character as well as in training the intellect. They offer unusual facilities for practice in debate, oratory, declamation and essay writing; and their members become practically familiar with parliamentary law and usages. Each society owns a large, handsomely equipped hall and many oil portraits of illustrious members. There are fifty-eight portraits.

General Culture.—The University endeavors to furnish such general culture outside of the lecture-rooms and laboratories as will broaden the minds and sympathies of young men and arouse their ambition. Lectures are delivered about once a month and musical entertainments are given occasionally. The lecturers for 1891–'92 are Prof. Jos. A. Holmes, Prof. Albert Bushnell Hart, Dr. R. L. Payne, Jr., and Hon. Sidney M. Finger.

Societies for Special Culture.—1. The Elisha Mitchell Scientific Society. This society holds monthly scientific meetings during the session. It has been established for the encouragement of scientific work and includes among its members nearly all of those throughout the State who are interested in science.

The monthly meetings afford excellent opportunities for the students to hear, read and discuss papers on scientific subjects. The meetings are open to all. The society issues its Journal twice a year. Past issues have contained many articles from students of the University.

The society's library contains now more than eight thousand books and pamphlets. Students have access to these, and can make use of them under certain restrictions.

2. The Shakspere Club. Meetings are held the third Tuesday night of each month. Occasional public meetings are held, and special lectures delivered. The nucleus of a Shakspere library has been formed and additions are made to it from time to time. The class of 1891 has presented to the Club a valuable set of Furness's Variorum editions of the great plays. The scheme for 1892–'93 is here given:

(1). King John and the King Henry Plays. The Historical Element in Ideal Characters. Falconbridge, Falstaff, Hamlet.

(2). The Tempest and Midsummer Night's Dream. The Missing Link. Caliban and Bottom. Ariel and Puck.

(3). Latin Comedy and Shakspere. Character and Incident compared in Plautus and Terence and in Italian Comedy.

(4). Browning's Transcript of the Agamemnon of Æschylus. Peculiarities of Plot and Method in the Blot on the 'Scutcheon and like dramas.

(5). The Lyrical Element in the Drama. The Chorus in Greek Plays and in Modern Drama. The Soliloquy. Shakspere, Goethe, Schiller, Swinburne. The Construction and Types of Shakspere's Verse.

(6). Ben Jonson and Shakspere compared in Comedy. Every Man in his Humour. Volpone.

(7). Shakspere and the Bible: Diction and Philosophy compared. The Nineteenth Century Novel, the Successor of the Drama. Shakspere and George Eliot.

3. The State Historical Society. This society is engaged in the study of our State history and the collection of documents and materials for its illustration. Meetings are usually held once a month. At these meetings historical papers are read and discussed.

The University Magazine is published six times a year under the control of the literary societies. Its objects are: To encourage the students to independent literary work; to furnish a review of University matters; to chronicle the proceedings of literary, scientific and historical organizations, including the publication of important papers presented at their meetings; to record items of news about the University *alumni* and students. Each number contains matter of importance to all who are interested in the University, besides much that is attractive to the general reader.

Expenses.—Every effort is made to reduce to the lowest point the necessary expenses of an education at the University. The annual charges are:

Tuition	$60.00
Registration	10.00
Medical Fee	5.00
Gymnasium Fee	2.50
Total per annum	$77.50

Students taking courses in the laboratories are charged a small fee for material consumed. The fee for registration entitles a student to the use of one-half a room, except in the South Building, and to service. The University rooms are not furnished. The price of board is from eight to thirteen dollars a month. The entire annual expense need not exceed three hundred dollars, and it may be reduced to two hundred dollars.

Aid-Funds.—1. The Deems Fund. This fund was instituted by the Rev. Dr. C. F. Deems, formerly a professor in this University and now pastor of the Church of the Strangers, New York, as a memorial of his son, Lieutenant Theodore Disosway Deems. It is intended to assist needy students by loans. In 1881 it was greatly enlarged through the munificence of Mr. William H. Vanderbilt. On the 1st of February, 1892, there were notes, the principal of which amounted to $14,866.63, representing current loans to students. To that date 149 students had been helped by the fund.

2. The Francis Jones Smith Fund. Miss Mary Ruffin Smith bequeathed to the University, as a memorial to her brother, Dr. Francis Jones Smith, a valuable tract of fourteen hundred and thirty acres of land in Chatham county, known as the Jones Grove tract, the income of which shall be used for the education of such students as the Faculty may designate.

Scholarships.—1. B. F. Moore Scholarships. The late B. F. Moore, of Raleigh, bequeathed $5,000, the interest of which is to be devoted to paying the tuition of students.

2. Cameron Scholarships. In memory of the late Paul C. Cameron, his heirs have established ten Cameron Scholarships.

3. Alumni Scholarships. Chiefly through the efforts of Charles D. McIver, the University *alumni* have established twenty Alumni Scholarships.

4. Mary Ann Smith Scholarships. Miss Mary Ann Smith, by a recent legacy, has established a large number of scholarships, to be determined by the income of the fund given. The fund is estimated at thirty-seven thousand dollars.

5. By a recent act of the Legislature, free tuition is offered to candidates for the ministry, to the sons of ministers, to young men under bodily infirmity, and (in the teachers' courses) to young men preparing to teach.

DEPARTMENTS OF INSTRUCTION.

The following statements show the scope of the instruction offered in the University. Elsewhere may be seen detailed accounts of the methods and purposes of the instruction in each department. Any subject named may be chosen as an elective in any of the courses of study, unless otherwise specified.

Political and Social Science. *President Winston.*

1. Principles of Political Economy (Mill and Cairnes). Required of Seniors. *Fall Term. Two hours.*

2. Current Questions: The Tariff, Money and Banking, Theory and Methods of Taxation, Financial Legislation, Government Control of Railroad and Telegraph Lines. Elective for special students and graduates. *Two hours.*

3. Sociology: The Development of the State and its Functions, Education, Temperance, Pauperism, Communism, Charitable and Penal Institutions. Required of Seniors. *Spring Term. Two hours.*

4. Observation and Study of Special Questions: *e. g.*, the Negro and his Status, Race Intermixture, Heredity, Pauperism, Crime. Elective for special students and graduates. *Two hours.*

History. *Doctor Battle.*

1. Ancient History, followed by study of epochs. Given in 1892–'93.

2. Medieval and Modern History. Given in 1893–'94. Either 1 or 2 is required in Courses in Philosophy, Science and Letters, and elective with a modern language in Course in Arts. *Three hours.*

3. Modern History by Epochs: *e. g.*, the Reformation in Germany, Charles I. and the Commonwealth, the American Revolution. Parallel

readings, theses and discussions. Required in Courses in Science and Letters. *Two hours.*

4. The Constitutional History of: (*a*) England, (*b*) the United States, (*c*) North Carolina; including the study of International Law, the Federal and State Constitutions, and leading cases which have settled great constitutional questions. Parallel reading, theses and oral discussions. Required in Course in Letters. *Two hours.*

5. Historical Research. Seminary in North Carolina History. Elective for special students and graduates. *Three hours.*

English. *Professor Hume and Mr. Banks.*

1. *a.* Practical Rhetoric (Genung); nineteenth century authors; three essays. *b.* Etymology (McElroy and Skeat); Professor's Guide to special exercises. Required of Freshmen. *Three hours.*

2. Historical Grammar (Morris and Sweet); Old, Elizabethan and eighteenth century English; essays in exposition. Required of Sophomores. *One hour.*

3. *a.* Poetics (Gummere); annotated poems (Hales): Chaucer, Spenser, Tennyson, Malory's Morte d'Arthur; critical essays. *b.* Shakspere: Henry IV., Parts I and II, Henry V. and Richard III., with Guides to study. Required of Juniors. *Two hours.*

4. Essays and Orations; English Prose (Minto, Garnett); British and American Orations (Adams, Johnston); lectures; practice in writing and extemporaneous discussions. Required of Seniors in Courses in Arts, Philosophy and Letters. *One hour.*

5. History and Philosophy of Literature (Taine, Hudson, Dowden); Shakspere (continued); Special Study of Milton (Browne); Selections from Wordsworth (Matthew Arnold); from Browning (Corson); the Novelists. *Two hours.*

6. *a.* Comparative Studies in the Classical and Romantic Drama (Ward, Symonds, Schlegel); Chester and York Miracle Plays and Moralities; Chronicle Plays and Tragedies; Comedy and pastorals; theses. *b.* History of Poetry from Spenser to Tennyson; Aristotle's, Sidney's, Arnold's theories; the didactic and romantic schools and special forms. For graduates. *Two hours.*

Anglo-Saxon. 1. Elementary Course (Sweet, Skeat, Earle); the Saxon Gospels. *Two hours.*

2. Advanced Course: *a.* Middle English; Wycliffite, Tyndale and later Bible versions; Piers Plowman. *b.* Anglo-Saxon Poetry (Beowulf); Comparative grammar (Sievers, Skeat); influence of the Latin element. *Two hours.*

3. Comparative Philology and Saxon Literature (Judith, Exodus and Daniel); Northern Mythology. For graduates.

Greek. *Professor Alexander.*

1. Four Orations of Lysias, or three books of Xenophon's Cyropædia; review of grammar; four books of Homer's Odyssey; prose composition; reading at sight. Required in Course in Arts. *Four hours.*

2. Three Philippics of Demosthenes; the Bacchantes of Euripides, and Plutus of Aristophanes; literature and antiquities; frequent exercises in reading at sight. Required in Course in Arts. *Three hours.*

3. The Phædo of Plato; Plutarch's Lives of Themistocles and of Pericles; Greek seminary, for the investigation of assigned topics in literature, history, philosophy, art, mythology, etc.; a brief course in Modern Greek. *Two hours.*

4. Homer's Odyssey (entire); Greek seminary continued from course 3. Elective for students who have completed with honors course 3. *Three hours.*

5. Seminary for teachers: review of preparatory work, with reference to methods of instruction. Open to Juniors and Seniors who expect to teach Greek. *Second term. Three hours.*

6. Readings from Greek authors: the Iliad of Homer translated by the instructor. For Juniors, Seniors and graduates. *One hour* (for twenty-four weeks).

Courses for Graduates: 7. The Drama: representative plays (seven tragedies and three comedies), with the Poetics of Aristotle. 8. Oratory: critical reading of Attic Orators, and the Rhetoric of Aristotle. 9. Philosophy: the Republic of Plato and selected Dialogues. 10. Archæology, in connection with Pausanias's Description of Greece, Collignon's Manual, etc. 11. Philology and Comparative Grammar of Greek. *Each three hours.*

Latin. *Professor Harrington.*

1. Livy, Books XXI and XXII; Horace, selections from the Satires, Epistles, Epodes and Odes; composition; sight reading. Required in Courses in Arts and Philosophy. *Four hours.*

2. Plautus, Trinummus or Captivi; Terence, Andria or Adelphi; lectures on Roman drama; Cicero, selected letters; Tacitus, Germania and Agricola; Roman political and social institutions. Required in Courses in Arts and Philosophy. *Three hours.*

3. The Roman Elegiac Poets: Catullus, Tibullus, Propertius, Ovid. *Twoh ours.*

4. Pliny, selected letters; specimens of other epistolary Latin; lyric poets; early lyrists, Catullus, Horace; the decadence of Latin lyric poetry. Given in alternate years with 3. *Two hours.*

5. Roman Philosophy: Lucretius, De Rerum Natura (Books I, II and V); Cicero, Academica; Seneca, De Providentia, De Tranquillitate Animi, De Vita Beata; lectures on history and development of ancient philosophy. *Two hours.*

6. Roman Satire: Ennius, Lucilius, Horace (briefly), Persius, Juvenal, Martial, Petronius (selections). Given in alternate years with 5. *Two hours.*

7. Theory and practice of teaching Latin. Review of the Latin ordinarily studied in preparation for college; suggestions as to books and methods; application of theory to practice. Elective for special students. *One hour.*

8. Latin seminary. Critical study of some author, or literary work, or department of Roman literature. Original research and study. For 1892–'93 will be given, Early Latin: interpretation, and historical, grammatical and literary study of the earliest Latin inscriptions and legal and literary fragments. For graduates.

Modern Languages. *Professor Toy.*

1. French: Chardenal's First French Course; Edgren's Grammar (Parts 1 and 2); Anecdotes Nouvelles; Whitney's Reader; prose composition; grammatical drill. Elective with German in Courses in Philosophy, Science and Letters, and with German and History in Course in Arts. *Three hours.*

2. French: Edgren's Grammar (Syntax); Halévy's L'Abbé Constantin; Sandeau's Mademoiselle de la Seiglière; Erkmann-Chatrian's Le Conscrit de 1813; prose composition (Grandgent); sight reading. Elective with German in Courses in Philosophy and Letters. *Three hours.*

3. French: Victor Hugo; extensive reading; theses. *Two hours.*

4. German: Whitney's Brief Grammar; Brandt's Reader; prose composition; grammatical drill. Elective with French in Courses in Philosophy, Science and Letters, and with French and History in Course in Arts. *Three hours.*

5. German: Sheldon's Grammar; Fouqué's Undine; Schiller's Geisterseher; Freytag's Die Journalisten; prose composition (Harris); literature; sight reading. Elective with French in Courses in Philosophy and Letters. *Three hours.*

6. German: Goethe; critical study with wide reading; theses. *Two hours.*

Mental and Moral Science. *Professor Williams.*

1. Psychology and Logic: Sully's Outlines of Psychology and Everett's Science of Thought. Required in Courses in Arts, Philosophy and Letters. *Two hours.*

2. The Theory of Knowledge; Harris's Philosophical Basis of Theism. Required in Course in Arts. *Three hours.*

3. The Theory of Knowledge; the Advanced Psychologies and Kant's Kritik der reinen Vernunft. *Two hours.*

Mathematics. *Professor Cain and Mr. Shaw.*

1. Algebra from quadratics (Newcomb, Wentworth or Taylor); Geometry (Wentworth). Required in all academic courses. *Four hours.*

2. Plane and Spherical Trigonometry (Wentworth); Analytic Geometry (Bowser). Required in Courses in Arts, Philosophy and Science. *Three hours.*

3. Solid Analytic Geometry (Bowser); Differential and Integral Calculus (Taylor); Analytic Mechanics (Bowser). *Four hours.*

Engineering. *Professor Cain and Mr. Shaw.*

1. Topographical and Mechanical Drawing. *Three hours.*

2. Mechanical Drawing and Designing. *Four hours.*

3. Land Surveying. *Spring Term. Three hours.*

4. Higher Surveying, including the laying out of railways, topography, earthwork computations. *Four hours.*

5. Mechanics of Engineering: strength of materials, stresses in bridges and roofs, arches, dams. *Three hours.*

6. Theory of structures, graphical statics, economical theory of railway location, practical design and construction. For graduates.

Chemistry. *Professor Venable, Mr. Baskerville and Mr. Edwards.*

1. Experimental Chemistry. Required in Courses in Philosophy and Science and elective with Biology in Course in Arts. *Three hours.*

2. Experimental Laboratory Work. Required of all who take 1. *Fall Term. One hour.*

3. Industrial Chemistry. *Fall and half of Spring Terms. Three hours.*

4. Agricultural Chemistry. Half term (continuation of 3). *Three hours.*

5. Advanced Chemistry. *Two hours.*

6. Qualitative Analysis. Required in Course in Science. *Two hours.*

7. Quantitative Analysis and Assaying. *Three hours.*

8. Quantitative Analysis. Elective for special students and graduates. *Three or five hours.*

9. Synthetical Chemistry and Toxicology. *Two hours.*

Natural Philosophy. *Professor Gore and Mr. Foust.*

1. Elementary Physics. Required in Courses in Philosophy, Science, Letters and Medicine. Not elective. *Two hours.*

2. Physics. Required in Courses in Arts, Science and Engineering, and elective with Biology in Course in Philosophy. *Three and a half hours.*

3. Projection Drawing. Required in Course in Engineering. *Fall Term. Three hours.*

4. Astronomy. Required in Courses in Philosophy, Science and Engineering. *Spring Term. Three hours.*

5. Electrical Engineering. *Two hours.*

6. Advanced Physics. Elective for special students and graduates. *Three or five hours.*

Biology. *Professor Wilson.*

1. Physiology. Martin's Human Body (Briefer Course) and laboratory work. Required in Courses in Philosophy, Science and Letters. *Fall Term. Three hours.*

2. General Biology. Books of reference: Parker's Elementary Biology, Claus Sedgwick's Zoölogy, Gray's Lessons and Manual of Botany, Prantl and Vines' Botany. Elective with Chemistry in Course in Arts, with Physics in Course in Philosophy, and with Mineralogy and Geology in Course in Science. *Three and a half hours.*

3. Practical Biology. Manuals recommended: Huxley and Martin's Practical Biology, Howes' Atlas of Biology, Brooks' Handbook of Invertebrate Zoölogy. Required of all who elect 2 in Course in Science. *Two hours.*

4. Vertebrate Embryology. Books recommended: Foster and Balfour's Elements of Embryology, Haddon's Embryology, Balfour's Comparative Embryology. *Spring Term. Three hours.*

5. Histology. Books recommended: Schäfer's Essentials of Histology, Quain's Anatomy, vol. II. Required in Course in Medicine. *Two hours.*

6. Animal Morphology. Comparative Anatomy and Embryology. For graduates.

Mineralogy and Geology. *Mr. Harris.*

1. Crystallographic, Physical and Chemical Mineralogy. Required in Course in Engineering and elective with Biology in Course in Philosophy. *Fall Term. Three hours.*

2. Determinative Mineralogy. Dana's Manual of Mineralogy and Petrography. *Spring Term. Three hours.*

3. Physical Geography. Required in Courses in Philosophy, Science and Letters. *Spring Term.* Not elective. *Three hours.*

4. General Geology. Geikie's Class-book of Geology. Required in Course in Engineering and elective with Biology in Course in Philosophy. *Spring Term. Three hours.*

5. (*a*) Dynamical, Structural and Historical Geology. (*b*) Economic Geology, especially of North Carolina. (*c*) Lithology and Field Geology. Elective for special students and graduates.

Law—The Regular School.

1. Course prescribed by the Supreme Court for license: Blackstone's Commentaries, Washburn or Williams on Real Property, Schouler on Executors, Stephen on Pleading, Chitty's Pleading (first 100 pages), Adams' Equity, Greenleaf on Evidence (1st vol.), Smith on Contracts, Bigelow on Torts, Code of North Carolina, the Code of Civil Procedure. *Doctor Manning. Daily.*

2. Advanced course for the degree of Bachelor of Laws: Pollock on Contracts, Angell and Ames on Corporations, Pierce on American Railroad Law, Best's Principles of Evidence, Darlington on Personal Property, May on Insurance, Russell on Crimes. *Doctor Manning. Three hours.*

3. The Constitutional History of England, the United States and North Carolina; Leading Cases; the Federal and State Constitutions; International Law. *Doctor Battle. Two hours.*

4. Political Economy and Sociology. (See Political and Social Science, page 11). *President Winston. Two hours.*

Law—The Summer School.

Course prescribed by the Supreme Court for license. (See above). *Doctor Manning and Associate Justice Shepherd. Twice daily.*

Medicine—Preparatory School.

1. Anatomy, practical dissection of the human cadaver. *Doctor R. H. Whitehead. Two hours daily.*

2. Physiology, especial study of the nervous and digestive systems; Materia Medica. *Doctor R. H. Whitehead. Daily.*

3. Histology: Schäfer's Essentials of Histology; Quain's Anatomy (vol. 2); lectures and laboratory work. *Doctor H. V. Wilson. Three hours.*

4. Chemistry. Lectures and laboratory work. *Doctor F. P. Venable. Three hours.*

5. Physics. *Professor Gore. Two hours.*

METHODS OF INSTRUCTION.

The following statements explain the aims and methods of instruction in the several departments:

Political and Social Science.—The instruction is by text-books, lectures, parallel-reading, original investigations and personal observation. It is intended to supply such information about political economy as is essential to good citizenship, to furnish special training for lawyers, journalists and other public men, to equip young men for business by training them in habits of correct thinking on such subjects as money, banking, taxation, the tariff and railroads, and to create an intelligent interest in the scientific investigation of all public questions. The course in Social Science deals with problems affecting society and demanding the earnest attention and study of thoughtful and well-trained minds, *e. g.*, intemperance, communism, crime and pauperism. Advanced work is done by graduates and special students, who make original investigations of various problems by the aid of documentary material and of personal observation.

History.—The instruction in History includes courses (1) in General History, (2) in History studied by Epochs, (3) in Constitutional History, (4) in Historical Research. The instruction in general history is given by text-books, supplemented by lectures. The object is to afford a logical view of the stream of human events, and the evolution of institutions and nations. During the year 1892–'93 the class will read Grecian and Roman history, going as far as may be practicable into mediæval and modern times. The second course includes various important epochs, such as the Breaking up of the Roman Empire, the Formation of Great Britain, the Reformation. The class will be exercised in written theses, and in oral debates on mooted questions. The class in Constitutional History, including Constitutional and International Law, will study the constitutional history of England and then that of the United States, including the language of the constitution. The great leading cases in which constitutional questions have been

settled by the Supreme Court will be given somewhat in detail, together with the arguments *pro* and *con*. The constitution of North Carolina and its history will be taught by lectures. Students in Historical Research will make researches on assigned topics in the history of America and especially of North Carolina. Theses embodying the results of this work will be required. The University possesses a large amount of valuable material for this purpose, and efforts will be made to increase its store.

English.—The Course in Rhetoric in the Freshman year gives the groundwork for composition. Masterpieces of different types are analyzed, the theory of narration and description is discussed and practice required in essays. Enough literature is read to serve as models and sources of inspiration. This practice is continued in the Sophomore year in light, rapid expositions; in the Junior year, in which poetry and the drama are studied, there is more of an attempt at critical writing. In the Senior year some work is done on plan and methods of discourse either by careful written analysis and criticism or by extemporaneous composition. Representative styles are reviewed and some account is given of the history and methods of oratory. The final theses and orations of the Senior class are prepared after full review of subjects and methods and individual interviews. The Mangum Medal is given for success in delivery and expression and a course in elocution offers opportunity for intelligent practice. The Professor's Medal for the best graduating essay is intended to excite interest in composition as a fine art. Etymology and the development of grammar are studied in Freshman and Sophomore years from the earliest inflectional forms to the speech of to-day. The Anglo-Saxon course offers the foundation for work in philology and comparative grammar and in the sources of our literature. The distinctive feature of the Literature course is the actual study of the literature itself, not only of biography and history, but of literary productions as complete works of art. Principles are applied definitely and original investigation suggested by printed guides to study. Shakspere is a specialty. Text-books are supplemented by lectures. The English Bible is studied in its dialect and literary form in the Sophomore year and in the Anglo-

Saxon undergraduate and graduate courses. In the elective and graduate courses in Philology and Literature original work is done each year as already stated, some of it in the form of theses, and opportunity is given to those who study for advanced degrees or to become teachers and specialists.

Greek.—The instruction begins with a review of important grammatical forms and principles. Special attention is given to the mastery of the verb, and to the acquisition of a useful vocabulary. Considerable amounts of rather easy Greek are read during the first term. There are weekly exercises in prose composition, with a view to fixing forms and syntax in the student's mind. In course 2 attention is given mainly to such matters as enable the class to appreciate properly the works read and similar works in other literatures. There are special studies of oratory and the drama, and a general course in literature and antiquities. A good deal of time is devoted to reading at sight. The final examination is based largely upon passages not previously seen. In course 3 one of Plato's Dialogues is chosen for critical reading, and some other author (usually Plutarch or Herodotus) for rapid reading. Members of the class make special studies of selected subjects in literature, philosophy, art, history, mythology, etc., and report the results of their work in the Greek seminary. The brief course in Modern Greek is devoted chiefly to the reading of Athenian newspapers. The whole of either the Iliad or the Odyssey is read in course 4. Homeric criticism is not neglected, but the reading of the poems for themselves is the object of the course. There is opportunity for continuing the seminary work begun in course 3. Students who have completed with honors courses 1—4 are entitled to receive the Greek diploma. Advanced students, who expect to teach Greek, may study in course 5 methods of instruction, going over all of the preparatory work. Weekly readings from Greek authors (course 6) are given during part of the year. In 1892–'93 the Iliad will be translated, one book at each sitting. In other years all of the tragedies of Æschylus or of Sophocles, or all of the comedies of Aristophanes will be chosen for reading. A tolerably complete view of each author may be obtained in this way. The instruction of graduates is arranged to meet the

needs of each student. Usually a special study is made of one author, or of one branch of literature: the drama, history, lyric poetry, philosophy, oratory, etc.

Latin.—The aim of the instruction during the first year of the course is to familiarize the student more thoroughly with the grammatical principles of the Latin language; to encourage and develop facility in translating rapidly, including passages that have not been previously prepared; and to take initial steps in literary criticism and the appreciation of the literary style of the authors read. In the second year attention is paid to historical grammar; a special study is made of one type of Latin literature, the drama; and the class is led to consider in detail some Roman political institutions and certain particular periods in Roman history suggested by the works under consideration. In the elective courses during the third and fourth years different types of Latin literature are studied topically, such as lyric poetry, elegiac poetry, satire, philosophy, oratory, and similar subjects. Large amounts of Latin are read, and more minute study and criticism are devoted to the various works as regards philological, historical, political, mythological, archæological and other considerations. In courses 5 and 6 seminary methods are employed, and each member of the class is expected at stated intervals to present original discussions and investigations in connection with the authors read.

Graduate work is carried on in the Latin seminary, the members of which take turns with the professor in the interpretation and discussion of the work in hand and present periodically the results of their individual researches. The seminary room contains facilities for the use of the members, and a special library for consultation in connection with their work.

Modern Languages.—This department offers instruction in French and German. In each language there are three courses which may be pursued for three years. Course 1 is designed to lay a good foundation for subsequent study, and, in the way of general mental discipline, to give a thorough drill in grammatical analysis and careful interpretation of thought. There is, therefore, a systematic study of grammar,

with written exercises at least once a week and frequent oral drills for the purpose of training the ear. About one hundred pages of good prose are read and fully discussed. In course 2 there is, if necessary, a brief review of grammatical forms and a careful study of syntax. The reading becomes much wider. In the class-translations and written compositions, special attention is given to idiomatic rendering. This course is intended to prepare the way for the study of literature. Course 3 (elective) is devoted entirely to the study of some one author, for the purpose of ascertaining his position in literature and his relation to the history of his time. In connection with Victor Hugo, for example, there is a discussion of the Romantic Movement and the political changes in France during the present century. It is desired to enlarge this advanced work and to offer courses for specialists, and this will be done when the Modern Language instruction in the schools is sufficient to allow the University to omit its elementary course.

Mental and Moral Science.—In addition to the work of the classroom each student will make a more extended study of a question pertaining to the general subject, and will incorporate the results of his investigation in a thesis. The quality of this thesis will determine, in the main, the grade of the student. It is the aim of the department to have printed the best thesis submitted during the year. The aim of the lectures during the second year (course 2) is not to comment upon the book used, but rather to follow an independent line of thought. The subject of these lectures is consciousness; the aim of them is twofold. The effort is made to analzye consciousness, to discover its leading ideas and the order of their appearing, and to get a notion of the manner of its growth. In the second place, the hope is that the student may feel and enter into the spirit of an investigator, and secure for himself the true method of study.

Chemistry.—Instruction is given in this department by lectures illustrated by experiments. In the first course, students are required to perform for themselves as many of the experiments as practicable. No text-books are assigned, but books of reference are suggested. The laboratory has a library of several hundred volumes, and the chief chemical periodicals are at the command of the student.

Many chemical preparations, as well as metallurgical and industrial specimens, have been collected, and constant use is made of them to render the lectures clearer to the students and familiarize them with the substances spoken of.

The laboratories are well lighted and are provided with gas, water and the needed apparatus. Special attention is given to students wishing to pursue particular branches of analysis or chemical investigation. Teachers of chemistry, physicians, druggists, agricultural chemists, iron chemists, and others, will find abundant opportunity to follow lines of work suited to them. Students are encouraged to make independent, original researches. Original theses are required of students in advanced chemistry.

Natural Philosophy.—A. PHYSICS.—The undergraduate instruction extends over a period of three years. The *first* year's course is elementary in character; the general laws are presented and illustrated by experiments. During the *second* year the general subject of physics is pursued in a more extended manner, special attention being given to molecular physics: sound, heat, light, magnetism and electricity. Instruction is given by text-books, lectures and experiments. The students of this class spend an hour and a half a week in the laboratory verifying physical formulæ and acquiring a knowledge of the simpler methods of physical manipulation. The *third* year is devoted to electricity. Besides the study of text-books, considerable time is spent in electrical measurements, experimental study of dynamo machines, electric motors, electric lighting, storage batteries, etc. Graduate instruction is offered in special branches of physics, determined in part by the wishes and aims of the members of the class.

B. ASTRONOMY.—This subject is pursued as a branch of liberal education. The course is chiefly descriptive, though enough mathematics is included to render the subject intelligible.

Physical Laboratory.—The laboratory is well provided with apparatus for illustrating the general courses in physics, and many fine instruments of precision, especially for electrical measurements.

Students in courses 2 Physics and 5 Electrical Engineering are

required to pay a laboratory fee to defray cost of materials used. A work-shop, attached to the laboratory, is provided with a small steam-engine, lathe for wood and metal, and the necessary tools and material for repairing and making apparatus. An electric light plant has been installed, chiefly for instruction in electrical engineering.

Biology.—The courses in Biology have been arranged with the following objects in view: (1) To provide such elementary knowledge of living things as forms part of a modern liberal education; (2) to fit men either for the position of working naturalists or teachers of Biology; (3) to provide preliminary training, such as will be of use to men who expect to study medicine. The student gets his introduction into the study of living things in the Physiology class, thus beginning the study with an animal, namely, himself, of which he already knows something. In the laboratory he dissects the frog and particular organs (eye, heart, brain, etc.) of some large mammal, and performs a few simple experiments. In the General Biology class it is aimed to give the fundamental facts of Zoölogy, Botany and Comparative Physiology, and to make known the laws governing living organisms. The instruction will be both by lectures and recitations, and in the laboratory there will be some practical work on special points which have been dwelt on in the lectures. In this class during the latter part of the spring term instruction in plant analysis will be given. In the Practical Biology class the student becomes personally acquainted with the leading facts given in the General Biology lectures. The work consists in the dissection and microscopic study of typical animals and plants, such as amœba, vorticella, hydra, earthworm, cray-fish, mussel, terrapin, on the one hand, and yeast plant, bacteria, algæ, moulds, nitella, fern, flowering plant, on the other. In the class in Vertebrate Embryology the leading facts in the development of this group are brought before the student by means of lectures, quizzes and laboratory work. The latter consists largely in tracing the development of the fowl from the earliest stages until all the important organs have been formed. The embryos of other animals are occasionally used for the sake of comparison. In the Histology class the lectures are intended for regular college students, not for men in the Medical class, who have their

own set of lectures. In the laboratory the student makes and studies microscopic preparations illustrating the structure of the principal tissues and organs of the mammalian body. If not already familiar with them, he becomes in this class acquainted with the various processes of preserving, staining, sectioning, mounting, etc. The courses in Vertebrate Embryology and Histology can be pursued only by students who have already passed through the classes in general and practical Biology, an exception being made in the case of the members of the Medical class.

Mineralogy and Geology.—The course in Mineralogy for the fall term includes: first, a theoretical study of the principles of distinction among minerals; secondly, a practical study of about sixty important mineral species in the laboratory, applying the principles mentioned, namely: mode of crystallization, physical characters and reactions with the blow-pipe. The student thus becomes familiar with the mode of application of various tests, and is enabled to recognize at sight the more important mineral substances found in nature. Some practice is given in the identification of unmarked specimens yet unfamiliar to the student. In the spring term the work is principally in the determination of mineral and rock specimens in an unarranged cabinet, whereby a much broader knowledge of the subject is gained and the student becomes, in great measure, an independent worker. The instruction in Geology includes a study of text-books and lectures, with laboratory and field exercise, and attempts to initiate the student in the principles of Dynamical, Structural and Historical Geology. To encourage original research and afford practice in the preparation of scientific papers, each student is expected during the term to investigate a topic connected with some aspect of the subject, and present the result of his research in the form of a brief thesis in addition to the regular examinations.

Engineering.—A thorough course, suited to modern requirements, is offered in Civil Engineering. The course in surveying and higher surveying covers a year and a half, and includes the whole subject of field engineering, laying out roads and railroads, and calculating exca-

vation and embankment. The department is provided with several transits and levels and all necessary rods, chains, tapes, etc., and students are constantly practised in the field work of land surveys, triangulation, topography, laying out circular curves, transition curves and side staking of every kind for excavation and embankment as well as for masonry structures. Students in this way get perfectly familiar with the instruments and are enabled to use any instrument with accuracy on graduation. An admirable room (the old museum), well lighted, has been secured for the drawing department, which is provided with the very best drawing boards and tables and all necessary instruments. The class-room course in Projection Drawing is here utilized in making mechanical drawings. Topographical drawings constitute an important part of the course and are frequently constructed from actual field notes. The last few months of the Senior year in the drawing-room are given to extensive constructions in graphical statics, thus supplementing the class-room lectures and giving a very full and practical course on this subject, so important to engineers. The course in theoretical mechanics, hydrostatics, hydraulics, strength of materials, stresses in bridges and roofs, arches and retaining walls and design of girders, demands conscientious care on the part of the student, and only those above a certain grade will be allowed to take it. Extended applications of such subjects, after the most modern text-books, are given in the graduate course, but in the undergraduate course as well, the science of engineering is given alongside the practice, thus conducing to that symmetrical development which distinguishes the best equipped modern engineer from the mere empiricist.

COURSES OF STUDY.

There are five regular courses of study in the University leading to the following degrees: Bachelor of Arts, Bachelor of Philosophy, Bachelor of Science, Bachelor of Letters, and Bachelor of Engineering. Students whose time and means permit are earnestly advised to pursue one of these regular courses. Students not candidates for degrees may select any studies they wish, devoting their time entirely to one or two subjects, or selecting groups of such subjects as suit their tastes and purposes. The Faculty have arranged several groups of studies for the benefit of students desiring brief preparation for business, for agriculture, for teaching, for journalism, for the study of law or for the study of medicine.

COURSE LEADING TO THE DEGREE OF BACHELOR OF ARTS.

First Year.

FIRST TERM.—Algebra (4)*, Latin (4), Greek (4), English (3).
SECOND TERM.—Geometry (4), Latin (4), Greek (4), English (3).

Second Year.

FIRST TERM.—Trigonometry (3), Latin (3), Greek (3), English (1), Chemistry or Biology (3), German, French or History (3).
SECOND TERM.—Analytical Geometry (3), Latin (3), Greek (3), English (1), Chemistry or Biology (3), German, French or History (3).

Third Year.

FIRST TERM.—Physics (3½), Logic (2), English (2), Elective (8).
SECOND TERM.—Physics (3½), Psychology (2), English (2), Elective (8).

Fourth Year.

FIRST TERM.—Political Science (2), Philosophy (3), Essays and Orations (1), Elective (9).
SECOND TERM.—Social Science (2), Philosophy (3), Essays and Orations (1), Elective (9).

---

*Figures in parentheses denote the number of recitations or lectures per week.

COURSE LEADING TO THE DEGREE OF BACHELOR OF PHILOSOPHY.

First Year.

FIRST TERM.—Algebra (4), Latin (4), English (3), Physiology (3), Physics (2).

SECOND TERM.—Geometry (4), Latin (4), English (3), Physiography (3), Physics (2).

Second Year.

FIRST TERM.—Trigonometry (3), Latin (3), Chemistry (3), English (1), German or French (3), History (3).

SECOND TERM.—Analytical Geometry (3), Latin (3), Chemistry (3), English (1), German or French (3), History (3).

Third Year.

FIRST TERM.—Physics or Biology (3½), Logic (2), English (2), German or French (3), Elective (5).

SECOND TERM.—Physics or Biology (3½), Psychology (2), English (2), German or French (3), Elective (5).

Fourth Year.

FIRST TERM.—Political Science (2), Essays and Orations (1), Elective (12).

SECOND TERM.—Social Science (2), Essays and Orations (1), Astronomy (3), Elective (9).

COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE.

First Year.

FIRST TERM.—Algebra (4), English (3), Physiology (3), History (3), Physics (2).

SECOND TERM.—Geometry (4), English (3), Physiography (3), History (3), Physics (2).

Second Year.

FIRST TERM.—Trigonometry (3), English (1), History (2), Chemistry (3), Qualitative Chemical Analysis (2), German or French (3).

SECOND TERM.—Analytical Geometry (3), English (1), History (2), Chemistry (3), Qualitative Chemical Analysis (2), German or French (3).

Third Year.

FIRST TERM.—Physics (3½), Mineralogy (3) or Biology (5), English (2), Elective (8) or (6).

SECOND TERM.—Physics (3½), Geology (3) or Biology (5), English (2), Elective (8) or (6).

Fourth Year.

FIRST TERM.—Political Science (2), Elective (13).

SECOND TERM.—Social Science (2), Astronomy (3), Elective (10).

COURSE LEADING TO THE DEGREE OF BACHELOR OF LETTERS.

First Year.

FIRST TERM.—Algebra (4), English (3), History (3), Physiology (3), Physics (2).

SECOND TERM.—Geometry (4), English (3), History (3), Physiography (3), Physics (2).

Second Year.

FIRST TERM.—English (1), History (2), German or French (3), Elective (10).

SECOND TERM.—English (1), History (2), German or French (3), Elective (10).

Third Year.

FIRST TERM.—English (2), History (2), German or French (3), Logic (2), Elective (7).

SECOND TERM.—English (2), History (2), German or French (3), Psychology (2), Elective (7).

Fourth Year.

FIRST TERM.—Political Science (2), English (2), Essays and Orations (1), Elective (10).

SECOND TERM.—Social Science (2), English (2), Essays and Orations (1), Elective (10).

COURSE LEADING TO THE DEGREE OF BACHELOR OF ENGINEERING.

The first and second years of this course are identical with the first and second years of the Course in Arts, or in Philosophy, or in Science, at the option of the student.

Third Year.

FIRST TERM.—Calculus (4), Physics (3½), Mineralogy (3), English (2), Descriptive Geometry (3), Drawing (1½).

SECOND TERM.—Calculus and Analytical Mechanics (4), Physics (3½), Geology (3), English (2), Surveying (3), Drawing (1½).

Fourth Year.

FIRST TERM.—Analytical Mechanics and Strength and Stability of Structures (3), Drawing (2), Political Science (2), Elective (8).

SECOND TERM.—Strength and Stability of Structures (3), Astronomy (3), Drawing (2), Social Science (2), Elective (5).

ELECTIVE STUDIES.—Industrial Chemistry (3), Qualitative Chemical Analysis (2), Quantitative Chemical Analysis (3), Electrical Engineering (2), Higher Surveying (2), English (2).

BRIEF COURSES.

The following groups of studies are recommended to students desiring special brief preparation:

1. FOR BUSINESS: Algebra, geometry, trigonometry and surveying, political science, sociology, English, history, physiology, constitution and laws of North Carolina, constitution of the United States, elementary physics, physiography.

2. FOR AGRICULTURE: Chemistry, agricultural and industrial chemistry, qualitative chemical analysis, physiology, biology (zoölogy and botany), practical biology, vertebrate embryology, histology, animal morphology, mineralogy, geology, physiography, elementary physics, physics, algebra, geometry, trigonometry and surveying, English, history, political science, sociology, constitution and laws of North Carolina and of the United States.

3. FOR TEACHING: English language and literature (four courses), Latin or Greek, history (four courses), algebra, geometry, trigonometry and surveying, chemistry, physics, physiology, physiography, geology, political science, sociology, constitution and laws of North Carolina and of the United States, French or German.

4. FOR JOURNALISM: History and historical research (all courses), political and social science (all courses), English language and literature (all courses), mental and moral science, chemistry, physics, astronomy, geology, constitutions of England, the United States and North Carolina.

5. FOR THE STUDY OF LAW: The same as for Journalism, with mathematics and Latin added.

6. For the Study of Medicine: Biology (all courses), chemistry (all courses), French, German, physics, English, history, political science, sociology, Latin or Greek, geology, mineralogy, constitution and laws of North Carolina and of the United States.

GRADUATE INSTRUCTION.

Students who wish to pursue an advanced course of study are received with or without reference to their being candidates for a degree. In all cases the professors must be satisfied that the student is prepared to follow the instruction in the course contemplated.

Candidates for a degree are required to make written application to the Faculty, stating the course they design to pursue. They must also present their diplomas or certificates from the institution with which they have been connected, testifying that they have completed a course corresponding to one of the undergraduate courses of this University.

Students who have taken the Bachelor's degree at this University may be allowed to pursue prescribed courses for the Master's degree without residence. The degree may be granted after two years of non-professional study upon satisfying the Faculty by examination, or by printed theses or monographs, that the candidate is worthy of recommendation for this degree.

The method of instruction will vary with the nature of the study, but the general aim will be to encourage students to undertake independent work in some special branch of study, while he is adding to his intellectual culture.

There is no charge for graduate instruction.

DEGREES.

The degrees of Bachelor of Arts, Bachelor of Philosophy, Bachelor of Science, Bachelor of Letters and Bachelor of Engineering are conferred upon those students who have passed approved examinations on the respective undergraduate courses, already given, leading to those degrees.

The degree of Bachelor of Laws is conferred upon those students who have passed approved examinations on courses (A) and (B), enumerated in the School of Law.

The Masters' degrees are conferred upon graduate students who complete the following courses:

For the degree of Master of Arts.

Three studies, pursued for one year, to be selected from the following groups, subject to the condition that two studies may be selected from group 1, but not more than one from any other group; and that one of the subjects in group 1 shall have been pursued as an elective in the undergraduate course:

1. Latin, Greek.
2. German, French, English.
3. Political and Social Science, Mental and Moral Science, History.
4. Chemistry, Geology, Biology.
5. Mathematics, Natural Philosophy.

For the degree of Master of Philosophy.

Three studies pursued for one year, to be selected from the following groups, subject to the same condition as above:

1. Latin, German, French, English.
2. Political and Social Science, Mental and Moral Science, History.
3. Chemistry, Geology, Biology.
4. Mathematics, Natural Philosophy.

For the degree of Master of Science.

Three studies, pursued for one year, to be selected from the following groups, subject to the same condition as above:

1. Chemistry, Geology, Biology, Mathematics, Natural Philosophy.
2. German, French, English.
3. Political and Social Science, Mental and Moral Science, History.

For the degree of Master of Letters.

Three studies, pursued for one year, to be selected from the following groups, subject to the same condition as above:

1. English, French, German, History.

2. Latin, Greek, Political and Social Science, Mental and Moral Science.

3. Chemistry, Geology, Biology, Mathematics, Natural Philosophy.

The Degree of Doctor of Philosophy is conferred upon those students who, after having taken a Bachelor's degree and having studied in the graduate departments for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. The degree is not given, upon examination, to those whose studies are pursued elsewhere.

MEDALS AND PRIZES.

MEDAL FOR ORATORY.—The Misses Mangum, of Orange, offer in memory of their father, Willie P. Mangum, a gold medal as a prize for the best oration at the annual Commencement.

THE MORAL SCIENCE MEDAL.—Mr. David G. Worth, of Wilmington, offers a medal for the best scholarship in Moral Science.

THE GREEK PRIZE.—Offered to the member of the Sophomore Greek class who presents the best rendering into English of selected passages of Greek not previously read.

KERR PRIZE IN GEOLOGY.—Offered in memory of Professor W. C. Kerr to any graduate or undergraduate student for special work in the mineralogy or geology of North Carolina.

THE ESSAYISTS' MEDAL.—A gold medal is offered in the department of English Literature to the member of the Senior class who presents the best essay or thesis on the occasion of his graduation.

THE HISTORY PRIZE.—A prize of books relating to North Carolina, to the value of fifteen dollars, is offered by a graduate of the class of 1889, for the best thesis on some subject of North Carolina history to be prescribed by the Professor of History.

ENTRANCE EXAMINATIONS

Are held on Tuesday and Wednesday preceding the opening of the session in September. The hour and place of each examination can be ascertained at the University offices in the South building. Under proper restrictions examination papers may be sent to the principals of approved preparatory schools, where entrance examinations may also be held in May.

For admission to the Freshman class in any of the courses candidates are examined in English and in Mathematics; for admission to the Course in Philosophy they are examined in Latin also; for admission to the Course in Arts they are examined in both Latin and Greek. Students who take an optional course are examined in such subjects as relate to the studies which they select.

The requirements for admission to the Freshman class are as follows:

Latin.—Cæsar's Gallic War, two books; Virgil's Æneid, six books; four of Cicero's Orations; Latin Grammar, including prosody; the translation into Latin of connected passages of English, based on the Latin authors read. Equivalent amounts from other authors will be accepted. The Roman method of pronunciation is exclusively used.

Greek.—Xenophon's Anabasis, three books; Greek Grammar; simple exercises in translating English into Greek. Equivalent amounts from other authors are accepted. Candidates who have not read the entire three books of the Anabasis may, if the rest of their preparation is satisfactory, make good the deficiency by private study.

[Candidates for admission to the Course in Philosophy are required to exhibit a general acquaintance with Roman History; to the Course in Arts, with Greek and Roman History. Myers's Ancient History (for both), Allen's Short History of the Roman People, Pennell's Ancient Greece, or Fyffe's History of Greece, are suggested as suitable books for use in preparation.]

Mathematics.—I. ARITHMETIC. The candidate should be able to perform all fundamental operations and explain them; to explain the

subjects of prime numbers, factors, greatest common divisors and least common multiples, and to give the rules and apply them; to perform all operations upon fractions, including decimal fractions and mixed numbers, as well as denominate numbers; to write out examples with facility in percentage, interest and discount, simple and compound proportion and square root, with an analysis and reason for the methods employed. Special attention must be given to the reason for the rules. Robinson's Practical Arithmetic and Sanford's Higher Arithmetic, or equivalent works, are recommended in preparing students to pass the examination on the foregoing subjects.

II. ALGEBRA. The candidate should be thoroughly prepared in ordinary operations on algebraic numbers (plus and minus quantities), fractions, equations of the first degree involving one or more unknown quantities, ratio and proportion, involution and evolution, and surds down to equations of the second degree. Taylor's, Newcomb's, and Wentworth's Algebras are recommended particularly, because they begin with the conception of plus and minus quantities. Although the requirements are as above, it is better for the student to have accomplished the whole of a good elementary algebra before entering.

English.—Grammar (Whitney, or Bain, or Salmon); Introduction to Rhetoric and Composition (Clark's Smaller Practical Rhetoric, or D. J. Hill's Rhetoric); Outlines of English and American History (Freeman and Eggleston) and of English Literature (Gilman or Brooke). Special attention should be paid to preparatory studies in such manuals as Lockwood's Lessons, or Meiklejohn's English Language, and in such annotated authors as Sprague's Irving, Swinton's Studies, Hudson's or Rolfe's Julius Cæsar, the Riverside Series, Harper's and Ginn's English Classics. A short composition is required. For entrance in September, 1893, the candidate will be required to write upon one of several subjects chosen from one or more of the following works: Shakspere's Julius Cæsar, Irving's Alhambra, the Coverley Papers in the Spectator, Webster's First Bunker Hill Oration, Scott's Marmion and Talisman. Every candidate must be acquainted with all the books in this list.

Examinations for Advanced Classes are held on the same days as the entrance examinations. Applicants are subject both to the regular entrance examinations and to special examinations on all the subjects passed over by the class which it is desired to enter. When the examining professor is thoroughly confident of the wisdom of such a course, he may admit on probation students with slight deficiencies; and he may also, with proper restrictions, accept the reports of students at other colleges in lieu of an examination, on parts of the required work. This arrangement is not intended to admit students without examinations, but to obviate the necessity of long and minute reviews of the entire course.

LAW SCHOOL.

FACULTY.

JOHN MANNING, LL. D.,
Professor of Common and Statute Law and Equity.

JAMES E. SHEPHERD, LL. D.,
Associate Justice of the Supreme Court of North Carolina,
Associate Professor of Common and Statute Law and Equity.

KEMP P. BATTLE, LL. D.,
Professor of International and Constitutional Law.

GEORGE T. WINSTON, LL. D.,
Professor of Political and Social Science.

1. Common and Statute Law and Equity. *Professor Manning* and, during the summer session, *Professor Shepherd.*

A. Junior Class. The course prescribed for license by the Supreme Court: Blackstone's Commentaries, Washburn or Williams on Real Property, Schouler on Executors, Stephen on Pleading, Chitty's Pleading (first 100 pages), Adams's Equity, 1st Greenleaf on Evidence, Smith on Contracts, Bigelow on Torts, Code of North Carolina, particularly the Code of Civil Procedure. *Daily lectures and recitations.*

B. Senior Class: Pollock on Contracts, Angell and Ames on Corporations, Pierce on American Railroad Law, Best's Principles of Evi-

dence, Darlington on Personal Property, May on Insurance, and Russell on Crimes. *Tri-weekly lectures and recitations.*

2. International and Constitutional Law. *Professor Battle.*

B. Senior Class: The Constitutional History of (*a*) England, (*b*) the United States, (*c*) North Carolina. The language of the constitutions of the United States and of North Carolina. Leading cases affecting constitutional questions.

3. Political Science. *President Winston.*

B. Senior Class: The principles of Political Science by text-book, parallel reading and lectures.

DEGREE.

The degree of Bachelor of Laws is conferred upon those students taking courses A and B, and passing approved examinations on the same. Applicants for the degree must also write a thesis on some subject selected by the Professor. Two years will ordinarily be required to obtain this degree.

While particular attention is directed to course A, students will be invited to pursue a more extended course and to obtain a broad and liberal knowledge of the Law.

Special lectures are given from time to time by the resident Professors, and by members of the bar, on such subjects as have been greatly modified by our statutes or by the development of our modern civilization.

A moot court for the discussion of law questions, and also for the trial of issues of fact, is regularly held.

FEES.

Tuition, course A, per session of 40 weeks,	$ 90 00
Tuition, course B, per session of 40 weeks,	90 00
Tuition for both courses A and B,	150 00
Annual fee,	10 00
Medical fee,	5 00
Diploma fee,	5 00

The annual fee includes room-rent and service. One-half of all fees must be paid at the beginning of each term.

SUMMER COURSE IN LAW.

Professors Manning and Shepherd.

Text-books are the same as those required in course A classes, Junior and Senior.

Fees for each class, ...	$ 30 00
Fees for both classes, ...	60 00

The regular session of the School begins and ends with the University session.

The summer session begins July 1st and ends Thursday before the last Monday in September.

PREPARATORY SCHOOL OF MEDICINE.

RICHARD H. WHITEHEAD, M. D.,
Professor of Anatomy, Physiology and Materia Medica.

F. P. VENABLE, PH. D.,
Professor of Chemistry.

J. W. GORE, C. E.,
Professor of Physics.

HENRY V. WILSON, PH. D.,
Professor of Biology.

The Medical Department is designed to be preparatory to the diploma-granting medical colleges. It will aim to give the student a thorough course of instruction in those subjects which constitute the foundation of medical science, a knowledge of which is essential to the physician, both in his study and treatment of disease, and yet which are too often neglected. Its connection with a well-equipped University makes it far superior to a year's reading under a preceptor, and it is believed that it will compare favorably with the first-year course of any of our medical colleges. Such a school will hold an important position in the system of higher medical education so earnestly desired by the medical profession, while it will lighten the subsequent labors of the student by enabling him to study with greater intelligence and success the higher branches of medicine.

The course lasts one session of nine months, and comprises instruction in Chemistry, Physics, Biology, Anatomy, Physiology, Histology and Materia Medica.

Anatomy.—Believing that only Nature's drawings are true, the instruction in this department will be eminently practical. The statements made will be proved by actual demonstration upon the cadaver, bones and prepared specimens, and the student will be required to verify these statements for himself by dissecting and studying the dissected cadaver. The student will be required to stand certain practical examinations upon the bones and cadaver. Each student is earnestly requested to bring with him, if practicable, a disarticulated skeleton. The class will meet daily for two hours, and a portion of the time will be devoted to quizzing upon the lectures of the preceding day.

Physiology and Histology.—After the course in Anatomy is completed, the study of Physiology and Histology will be begun. The instruction will be by means of a thorough course of lectures and by rigid daily examinations, especial attention being given to the physiology of the digestive and nervous systems.

Histology will be illustrated by means of the microscope and sections of the tissues, thus teaching the use of the microscope and enabling the student to obtain a correct knowledge of the microscopical anatomy of the various tissues. This class also meets daily for two hours.

Materia Medica.—This subject will be taken up last, after the student has obtained sufficient knowledge of the other branches. It includes the study of the chemical and physical properties of drugs and especially of the physiological action. The instruction will be by means of daily lectures and examinations.

Written examinations will be held upon the different branches in the order of their completion.

TEXT-BOOKS:—Gray's Anatomy, Yeo's Manual of Physiology, Klein's Elements of Histology, H. C. Wood's Therapeutics.

TUITION for the above-mentioned classes, $75.00.

The courses in Physics, Biology and Chemistry are described elsewhere in this Catalogue, and to these the student is referred. For these courses the ordinary University charges are made, viz., $4.00 per annum for each hour of recitation or lecture.

Every student is required to pay the University registration fee of $5.00 per term, which entitles him to room and service.

CATALOGUE OF OFFICERS AND STUDENTS, 1891-'92.

TRUSTEES.

THOMAS M. HOLT, *ex officio*, President.
SIDNEY M. FINGER, *ex officio*.
RICHARD H. BATTLE, Secretary and Treasurer.

1893.*

A. B. Andrews,	Wake.
Richard H. Battle,	Wake.
Joseph A. Bitting,	Forsyth.
Julian S. Carr,	Durham.
Wm. H. Day,	Halifax.
John M. Galloway,	Rockingham.
Wm. E. Hill,	Duplin.
James H. Horner, LL. D.,	Granville.
George Howard,	Edgecombe.
A. M. Lewis,	Wake.
Montford McGehee,	Person.
Thomas W. Mason,	Northampton.
Paul B. Means,	Cabarrus.
Lee S. Overman,	Rowan.
James Parker,	Gates.
Charles Price,	Rowan.
Thos. H. Pritchard, D. D.,	New Hanover.
John C. Scarborough,	Johnston.
John E. Woodard,	Wilson.
David G. Worth,	New Hanover.

1895.

Charles B. Aycock,	Wayne.
A. D. Betts,	N. C. Conference.
W. H. S. Burgwyn,	Vance.
Charles A. Cook,	Warren.
John D. Currie,	Bladen.
George Davis, LL. D.,	New Hanover.
W. T. Faircloth,	Wayne.
†John A. Gilmer,	Guilford.

*The legal term expires November 30 of the year indicated.
†Dead.

John W. Graham,	Orange.
H. A. Gudger,	Buncombe.
Thos. M. Holt,	Alamance.
Wm. Johnston,	Mecklenburg.
A. Leazar,	Iredell.
W. S. Long,	Alamance.
Chas. D. McIver,	Guilford.
Hamilton C. McMillan,	Robeson.
John Manning, LL. D.,	Orange.
Robert B. Peebles,	Northampton.
Solomon C. Weill,	New Hanover.
Frank D. Winston,	Bertie.

1897.

W. S. Black, D. D.,	Granville.
C. M. Cooke,	Franklin.
J. H. Cordon, D. D.,	N. C. Conference.
Rufus A. Doughton,	Alleghany.
T. J. Jarvis, LL. D.,	Pitt.
H. C. Jones,	Mecklenburg.
Neill McKay, D. D.,	Harnett.
Patrick L. Murphy, M. D.,	Burke.
Wm. J. Peele,	Wake.
Wm. D. Pruden,	Chowan.
Wm. C. Riddick,	Halifax.
Robert W. Scott,	Alamance.
Frank S. Spruill,	Franklin.
†Walter L. Steele, LL. D.,	Richmond.
J. L. Stewart,	Sampson.
Isaac R. Strayhorn,	Orange.
S. McD. Tate,	Burke.
George N. Thompson,	Caswell.
James W. Todd,	Ashe.
H. D. Williamson, M. D.,	Columbus.

1899.

K. P. Battle, LL. D.,	Orange.
†R. L. Beall, M. D.,	Caldwell.
Marsden Bellamy,	New Hanover.
G. S. Bradshaw,	Randolph.
Marion Butler,	Sampson.

†Dead.

Fabius H. Busbee,	Wake.
Bennehan Cameron,	Orange.
John W. Fries,	Forsyth.
R. M. Furman,	Buncombe.
Thos. S. Kenan,	Wake.
Richard H. Lewis, M. D.,	Wake.
J. A. McIver,	Moore.
W. N. Mebane,	Rockingham.
A. H. Merritt,	Chatham.
J. D. Murphy,	Buncombe.
Fred. Philips,	Edgecombe.
†W. L. Saunders, LL. D.,	Wake.
John W. Starnes,	Buncombe.
Z. B. Vance, LL. D.,	Mecklenburg.
James W. Wilson,	Burke.

EXECUTIVE COMMITTEE.

THOMAS M. HOLT, Chairman, *ex officio.*

A. B. ANDREWS,	JOHN W. GRAHAM,
RICHARD H. BATTLE,	THOMAS S. KENAN,
JULIAN S. CARR,	RICHARD H. LEWIS,
S. M. FINGER,	JOHN C. SCARBOROUGH.

ANNUAL COMMITTEE OF INSPECTION.

JOHN W. FRIES, Chairman.

J. H. CORDON,	FRED. PHILIPS,
S. M. FINGER,	JOHN C. SCARBOROUGH.

†Dead.

FACULTY.

GEORGE TAYLOE WINSTON, LL. D.,
President and Professor of Political and Social Science.

KEMP PLUMMER BATTLE, LL. D.,
Professor of History.

FRANCIS PRESTON VENABLE, PH. D.,
Professor of General and Analytical Chemistry.

JOSEPH AUSTIN HOLMES, B. S.,
Professor of Geology and Mineralogy.

JOSHUA WALKER GORE, C. E.,
Professor of Natural Philosophy.

JOHN MANNING, LL. D.,
Professor of Law.

THOMAS HUME, D. D., LL. D.,
Professor of the English Language and Literature.

WALTER DALLAM TOY, M. A.,
Professor of Modern Languages.

EBEN ALEXANDER, PH. D.,
Professor of the Greek Language and Literature.

WILLIAM CAIN, C. E.,
Professor of Mathematics and Engineering.

RICHARD HENRY WHITEHEAD, M. D.,
Professor of Anatomy, Physiology and Materia Medica.

HENRY HORACE WILLIAMS, A. M., B. D.,
Professor of Mental and Moral Science.

HENRY VAN PETERS WILSON, PH. D.,
Professor of Biology.

KARL POMEROY HARRINGTON, A. M.,
Professor of the Latin Language and Literature.

INSTRUCTORS AND ASSISTANTS.

HUNTER LEE HARRIS, B. S.,
Instructor in Mineralogy and Geology.

HOWARD BURTON SHAW, A. B., B. E.,
Instructor in Mathematics and Drawing.

CHARLES BASKERVILLE,
Assistant in Chemical Laboratory.

HOWARD A. BANKS, A. B.,
Instructor in English.

ARTHUR J. EDWARDS,
Assistant in Chemical Laboratory.

THOMAS R. FOUST,
Assistant in Physical Laboratory.

OFFICERS.

J. W. GORE, Secretary and Registrar.
EBEN ALEXANDER, Librarian.
SHEPARD BRYAN AND F. H. BATCHELOR, Student Librarians.
W. T. PATTERSON, Bursar.

UNIVERSITY ALUMNI ASSOCIATIONS.

THE CENTRAL ASSOCIATION.

W. L. Steele, LL. D., President; H. A. London, Josephus Daniels, Secretaries.

BRANCH ASSOCIATIONS.

WAKE COUNTY—E. B. Haywood, M. D., President; Alexander Stronach, Secretary.

GOLDSBORO—W. G. Lewis, President; J. Y. Joyner, Secretary.

WILMINGTON—D. G. Worth, President; M. C. S. Noble, Secretary.

CHARLOTTE—William Johnston, President; Heriot Clarkson, Secretary.

WASHINGTON—William B. Rodman, Jr., President; H. A. Latham, Secretary.

DURHAM—Julian S. Carr, President; James S. Manning, Secretary.

CRAVEN COUNTY—John S. Long, LL. D., President; James Thomas, Secretary.

WINSTON—John W. Fries, President; A. H. Eller, Secretary.

HIGH POINT—James A. Delke, President; E. M. Armfield, Secretary.

ASHEVILLE—John D. Cameron, President; J. L. Carroll, D. D., Vice-President; Charles A. Webb, Secretary.

STUDENTS.

ALUMNI FELLOW.

Howard Alexander Banks, A. B., *English*, Asheville.
Davidson College, 1888.

GRADUATES.

James Edward Fogartie, A. B., A. M., *Philosophy*, Chapel Hill.
Davidson College, 1874, University of North Carolina, 1891.

Hunter Lee Harris, B. S., *Chemistry*, Raleigh.
University of North Carolina, 1889.

Howard Burton Shaw, B. E., *Mathematics*, Tarboro.
University of North Carolina, 1891.

Frederick Towers, A. B., *Eng.*, *Phil.*, *Biol.*, Chapel Hill.
University of New Brunswick, Canada, 1877.

UNDERGRADUATES.

Seniors.

Baskerville, Charles,	*Science*,	Columbus, Miss.
Buie, William Douglas,	*Arts*,	Clarkton.
Collins, Plato,	*Letters*,	Kinston.
Connor, George Whitfield,	*Arts*,	Wilson.
Crowell, George Henry,	*Philosophy*,	New London.
Darden, William Edward,	*Arts*,	Kinston.
Davis, Samuel Lee,	*Philosophy*,	Sawyersville.
Ferguson, Herbert Reeves,	*Science*,	Waynesville.
Foust, Thomas Roswell,	*Engineering*,	Graham.
Gatling, Bart. Moore,	*Arts*,	Raleigh.
Harvey, Charles Felix,	*Philosophy*,	Kinston.
Hunter, Richard Benjamin,	*Engineering*,	Brinkleyville.
Mebane, Frank Carter,	*Arts*,	Madison.
Rollins, Wallace Eugene,	*Arts*,	Asheville.
Van Noppen, Leonard Chas., A. B., Guilford College, 1891.	*Letters*,	Durham.
Willcox, Frederick LeRoy,	*Arts*,	Carbonton.
Winborne, Peter Parker,	*Arts*,	Barnitz.

Juniors.

Andrews, Alexander Boyd, Jr.,	*Arts*,	Raleigh.
Ashe, Samuel Acourt, Jr.,	*Philosophy*,	Raleigh.
Austin, Samuel Francis,	*Arts*,	Clayton.
Barnard, Alfred Smith,	*Philosophy*,	Danville, Va.
Biggs, James Crawford,	*Arts*,	Oxford.
Boyden, Victor Hugo,	*Letters*,	Salisbury.
Davis, Robert Mayo,	*Arts*,	Tarboro.
Eller, Franklin Plato,	*Philosophy*,	Berlin.
Gaither, James Frierson,	*Science*,	Salisbury.
Gilmer, John Arthur, Jr.,	*Letters*,	Greensboro.
Hamer, Douglas,	*Letters*,	Laurinburg.
Harding, Fordyce Cuninggim,	*Philosophy*,	Greenville.
Hoke, Michael,	*Engineering*,	Raleigh.
Ingle, Julian Edward, Jr.,	*Arts*,	Henderson.
Jones, James Archibald,	*Arts*,	Clayton.
Jones, Kenneth Anderson,	*Arts*,	Carbonton.
Jones, Lawrence O'Brien Branch,	*Engineering*,	Roxboro.
Kapp, Jamie Lynn,	*Letters*,	Bethania.
Koonce, Alexander Hamilton,	*Arts*,	Richlands.
Lehman, Eugene Wesley,	*Letters*,	Bethania.
Moye, Elbert Alfred, Jr.,	*Philosophy*,	Greenville.
Peschau, George Ludwig,	*Letters*,	Wilmington.
Pugh, James Thomas,	*Arts*,	Morrisville.
Rondthaler, Howard Edward,	*Philosophy*,	Salem.
Snow, William Boylan,	*Arts*,	Raleigh.
Toms, Charles French,	*Science*,	Hendersonville.
Walser, Zenobian Ilmer,	*Science*,	Yadkin College.
Whitaker, DeBerniere,	*Engineering*,	Raleigh.
Whitlock, Victor Emanuel,	*Philosophy*,	Asheville.
Willard, Edward Payson,	*Philosophy*,	Wilmington.
Wooten, William Preston,	*Philosophy*,	LaGrange.
Wyche, Benjamin,	*Science*,	Chapel Hill.

Sophomores.

Atkinson, Hugh Hamilton,	*Letters*,	Asheville.
Barnes, Leslie Edwin,	*Arts*,	Wilson.
Bingham, Herbert,	*Arts*,	Mebane.
Brawley, Espy Watts,	*Arts*,	Mooresville.
Brown, Thomas Evans Westman,	*Philosophy*,	Asheville.
Carr, Evander McNair,	*Engineering*,	Rose Hill.
Cherry, Marcus Cicero Stephen, Jr.,	*Philosophy*,	Bethel.

Currie, William Pinkney Martin,	*Arts*,	West End.
Gilmer, John Lash,	*Letters*,	Winston.
Gray, Bowman,	*Letters*,	Winston.
Guthrie, William Brooks,	*Philosophy*,	Durham.
Harding, William Frederick,	*Philosophy*,	Greenville.
Hendren, William Mayhew,	*Philosophy*,	Winston.
Hickerson, Lytle Nowlen,	*Letters*,	Ronda.
Kenan, William Rand, Jr.,	*Science*,	Wilmington.
Lee, Thomas Bailey,	*Arts*,	Mocksville.
Little, George Roscoe,	*Philosophy*,	Bethel.
Little, Thomas Robinson,	*Arts*,	Little's Mills.
Oldham, Jesse Morrow,	*Arts*,	Oaks.
Pomeroy, James Voorhes, Jr.,	*Science*,	Graham.
Pritchard, Fred Beale,	*Arts*,	Chapel Hill.
Roberson, Charles,	*Arts*,	Chapel Hill.
Rollins, Thomas Scott,	*Philosophy*,	Asheville.
Sawyer, James,	*Philosophy*,	Asheville.
Smith, Thomas Carlisle, Jr.,	*Philosophy*,	Asheville.
Snipes, Eugene Malcolm,	*Philosophy*,	Lambsville.
Toms, Nathan,	*Philosophy*,	Hertford.
Whedbee, Harry West,	*Philosophy*,	Hertford.
Wilson, Thomas James, Jr.,	*Arts*,	Chapel Hill.
Yates, Joseph Walter,	*Letters*,	Wilmington.

Freshmen.

Alexander, Joe Eli,	*Philosophy*,	Columbia.
Arrington, Richard Bolton,	*Philosophy*,	Warrenton.
Baird, James Emory,	*Science*,	Asheville.
Batchelor, Van Astor,	*Arts*,	Nashville.
Battle, Jacob, Jr.,	*Arts*,	Rocky Mount.
Blankenship, Vaiden Brittain,	*Philosophy*,	Pineville.
Borden, Murray,	*Philosophy*,	Goldsboro.
Breese, William Edmond, Jr.,	*Philosophy*,	Asheville.
Briles, Charles Walter,	*Philosophy*,	Eden.
Brogden, Lantrec Cranmer,	*Philosophy*,	Walter.
Bryant, Henry Edward Cohen,	*Philosophy*,	Pineville.
Butler, Henry Wiley,	*Philosophy*,	Huntley.
Carpenter, George Humphrey,	*Arts*,	Franklin.
Carr, Frederick Louis,	*Philosophy*,	Castoria.
Carr, James Osborne,	*Philosophy*,	Xenia.
Carter, Edward Preston,	*Philosophy*,	Fairfield.
Clement, Walter Raleigh,	*Philosophy*,	Mocksville.
Collett, Waits Avery,	*Science*,	Morganton.

Cotten, Bruce,	*Arts*,	Falkland.
Cummings, William,	*Science*,	Aspen Grove.
Dawson, Walter Wooten,	*Philosophy*,	Grifton.
Doster, Benjamin Eugene,	*Philosophy*,	Pineville.
Erwin, Marcus,	*Philosophy*,	Asheville.
Gatling, George Boddie,	*Philosophy*,	Raleigh.
Gatling, Robert Riddick,	*Philosophy*,	Raleigh.
Graham, William Alexander,	*Arts*,	Hillsboro.
Green, Hutson Shepherd,	*Philosophy*,	Lexington.
Harding, Collin Hughes,	*Arts*,	Washington.
Holloway, Alvis Connor,	*Philosophy*,	Winslow.
Honeycutt, Samuel Tilden,	*Philosophy*,	Clayton.
Horne, Charles Whitehurst,	*Arts*,	Clayton.
Horne, Herman Harrell,	*Philosophy*,	Clayton.
Howell, Harry,	*Philosophy*,	Goldsboro.
Isler, Edwin Becton,	*Philosophy*,	Kinston.
Jackson, Arthur Lee,	*Philosophy*,	Pullett.
Julian, John Moose,	*Arts*,	Salisbury.
Kimball, Ashbel Brown,	*Philosophy*,	Hargrove.
Kluttz, William Clarence,	*Arts*,	Salisbury.
Langley, Vernon Carlisle,	*Science*,	Elm City.
Leak, Thomas Crawford, Jr.,	*Philosophy*,	Rockingham.
Long, Noyes,	*Letters*,	Chapel Hill.
Long, Paul Jones,	*Philosophy*,	Jackson.
McAlister, William Claudius,	*Arts*,	Tatum, S. C.
MacCall, Harllee,	*Arts*,	Statesville.
McKinne, Frank Brothers,	*Science*,	Princeton.
McRae, Daniel K.,	*Arts*,	Laurinburg.
Marsh, George Winning,	*Philosophy*,	Morganton.
Mattocks, John Edwards,	*Engineering*,	Pollocksville.
Moore, John Allen,	*Arts*,	Oaks.
Morris, Gilbert Hardy,	*Letters*,	Asheville.
Nicholson, David Flowers,	*Arts*,	Westbrook.
Northrop, Theodore McLean,	*Philosophy*,	Laurinburg.
Patterson, John Legerwood,	*Engineering*,	Salem.
Price, Gus Hobson,	*Philosophy*,	Salisbury.
Pruden, James Norfleet,	*Philosophy*,	Edenton.
Quickel, Augustus Lee,	*Philosophy*,	Crouse.
Richardson, Charles Elijah,	*Science*,	Selma.
Robertson, William Ross,	*Science*,	Charlotte.
Robeson, Neill McDougald,	*Philosophy*,	Westbrook.
Rollins, Edward Foy,	*Arts*,	Enno.

Ruffin, Thomas,	*Arts*,	Wilson.
Sanford, William LaFayette,	*Philosophy*,	Mocksville.
Scott, William Levi, Jr.,	*Philosophy*,	Greensboro.
Self, Charles Gibbons,	*Arts*,	Hadley's Mills.
Shannonhouse, Royal Graham,	*Arts*,	Charlotte.
Shelton, Charlie,	*Letters*,	Winston.
Steele, Robert Thomas Stephen,	*Philosophy*,	Rockingham.
Stronach, Frank Moton,	*Philosophy*,	Raleigh.
Turner, Charles Root,	*Arts*,	Raleigh.
Valentine, Chatfield,	*Engineering*,	Hendersonville.
Warren, Thomas Davis,	*Arts*,	Edenton.
Weaver, William,	*Philosophy*,	Asheville.
Weil, Leslie,	*Philosophy*,	Goldsboro.
Welsh, Chopsie Sheftel,	*Philosophy*,	Florence, S. C.
Wills, George Blount,	*Philosophy*,	Chapel Hill.
Wood, Word Harris,	*Letters*,	Winston.
Zachary, Robert Edgar,	*Philosophy*,	Jeptha.

OPTIONAL STUDENTS.

Brooks, Aubrey Lee,	First year,	Roxboro.
Brooks, James Edwin,	Second year,	Liberty.
Cooper, Thomas Jefferson,	Second year,	Murphy.
Edwards, Arthur Joseph,	Fourth year,	Winston.
Hayes, Roland Headen,	First year,	Carbonton.
McFadyen, Archie Hendon,	First year,	Clarkton.
Manning, Isaac Hall,	Fourth year,	Wilmington.
Merritt, Willie Daniel,	First year,	Roxboro.
Myers, Edward Warren,	First year,	Washington.
Oates, David Thomas,	First year,	Clinton.
Pfohl, William Siewers,	First year,	Salem.
Rodgers, Ebbie,	First year,	Upper Alton, Ill.
Southerland, Robert Jesse, Jr.,	First year,	Mt. Olive.
Thomas, Herbert Brougham,	First year,	Newbern.
Williamson, James Nathaniel, Jr.,	First year,	Graham.
Williams, William Harry, Jr.,	Second year,	Newton.
Winston, Alexander Miller,	First year,	Spokane, Wash.
Wyche, Richard Thomas,	Third year,	Chapel Hill.

STUDENTS IN LAW.

Albritton, James Ashby,	Snow Hill.
Arthur, John Abraham,	Washington.
Austin, Rufus Eugene,	Long's Store.

Bailey, William Staton,	Williamston.
Batchelor, Francis Howard, A. B.,	Raleigh.
University of North Carolina, 1891.	
Bellamy, John Dillard, Jr., A. B.,	Wilmington.
University of North Carolina, 1890.	
Blue, Luther Avon,	Wilmington.
Bragaw, Stephen Cambreling,	Newbern.
Brooks, John Watson,	Hominy.
Bryan, Kedar, Jr.,	Jacksonville.
Bryan, Shepard, A. B.,	Newbern.
University of North Carolina, 1891.	
Bryant, Victor Silas, Ph. B.,	Pineville.
University of North Carolina, 1890.	
Collins, Plato,	Kinston.
Cooke, Percy,	Louisburg.
Crowell, Rufus Alexander,	New London.
Currie, George Hendon, B. Litt.,	Clarkton.
University of North Carolina, 1891.	
Davies, William Watkins, Jr., Ph. B.,	Drapersville, Va.
University of North Carolina, 1891.	
Eure, Mills Roberts, A. B.,	Norfolk, Va.
University of North Carolina, 1889.	
Fleming, James Leonidas, B. S.,	Greenville.
Wake Forest College, 1889.	
Floyd, John Buckner,	Darlington, S. C.
Foster, Mitchell F.,	Fork Church.
Gatling, Bartholomew Moore,	Raleigh.
Gatling, John,	Raleigh.
Gilliam, Henry Augustus,	Tarboro.
Graham, Paul Cameron, Ph. B.,	Hillsboro.
University of North Carolina, 1891.	
Gregory, Alphonso Linwood,	Edenton.
Hammer, William Clawson,	Asheboro.
Harrison, Thomas Cranmer,	Ringwood.
Hendren, Joseph Flanner,	Winston.
Hendricks, John Addison,	Mocksville.
Hill, John Sprunt, Ph. B.,	Faison.
University of North Carolina, 1889.	
Howell, George Harris,	Wilmington.
Hudgins, Daniel Edward,	Warrenton.
John, Maxcy Luther, Ph. B.,	John Station.
University of North Carolina, 1888.	
Johnston, Henry, A. B.,	Tarboro.
University of North Carolina, 1890.	
Lanier, Thornwell,	Oxford.

Lawrence, Lloyd Jennings,	Murfreesboro.
Lee, Thomas Mossette,	Clinton.
Lewis, Henry Watson, A. B., University of North Carolina, 1888.	Lewiston.
Little, William Myers, A. B., University of North Carolina, 1888.	Little's Mills.
Luther, Dillen Monroe,	Asheville.
McElyea, Angus Brown,	Maxton.
McGehee, Lucius Polk, A. B., University of North Carolina, 1887.	Raleigh.
McKethan, Edwin Robeson, A. B., University of North Carolina, 1891.	Fayetteville.
McLear, Angus Wilton,	Lumberton.
Morgan, John McCoy,	Benson.
Parker, Hersey Baylies, Jr.,	Como.
Roberson, William Stone, A. B., University of North Carolina, 1889.	Chapel Hill.
Tisdale, Frank,	Newbern.
Toms, Charles French,	Hendersonville.
Van Noppen, Leonard Charles, A. B., Guilford College, 1891.	Durham.
Ward, George Washington, A. M., Wake Forest College, 1890.	Elizabeth City.
Watson, Elbert Franklin,	Glenville.
Webb, Charles Aurelius, A. B., University of North Carolina, 1889.	Warren Plains.
Williams, Albert Sidney,	Wilmington.

STUDENTS IN MEDICINE.

Carter, Henry Walton,	Fairfield.
Ennett, George Noble, Jr.,	Beaufort.
Gibbs, Norfleet Mann,	Fairfield.
Guion, Louis Isaac,	Lincolnton.
Houston, Henry Clay,	Stout.
Hughes, William Henry, Jr.,	Raleigh.
Johnston, Richard Hall,	Tarboro.
King, Franklin Brevard,	Sweet Home.
Maugum, Charles Staples, A. B., University of North Carolina, 1891.	Chapel Hill.
Mease, John Herbert,	Pigeon River.
Price, James Hampton,	Price's Mill.
Turlington, William Troy,	Benson.
Utley, Harry Gibbons,	Apex.
Ward, Edward Wilkerson, Jr.,	Lincolnton.

STUDENTS IN PHARMACY.

Atkinson, Thomas Harris, Jr.,	Selma.
Bellamy, John Dillard, Jr., 3d,	Wilmington.
Lee, Richard Elliott,	Clinton.
McRae, Robert Strange,	Chapel Hill.

SUMMARY.

Fellow,	1
Graduates,	4
Seniors,	17
Juniors,	32
Sophomores,	30
Freshmen,	77
Optional,	18
Law,	55
Medicine,	14
Pharmacy,	4
	252
Counted twice,	4
Total,	248

PROGRAMME OF COMMENCEMENT, 1891.

May 31.

BACCALAUREATE SERMON, WALTER W. MOORE, D. D.

June 3—Alumni Day.

ORATION BY JOHN M. GALLOWAY.
ANNUAL MEETING OF THE ALUMNI ASSOCIATION.

REPRESENTATIVES OF THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES.

Philanthropic Society.	*Dialectic Society.*
G. W. Connor,	S. L. Davis,
A. H. Koonce,	H. R. Ferguson,
Roscoe Nunn.	Z. I. Walser.

June 4.

SENIOR SPEAKERS.

F. H. Batchelor,	J. M. Morehead,	W. L. Spoon,
Shepard Bryan,	A. H. Patterson,	S. C. Thompson,
W. W. Davies, Jr.,	George Ransom,	W. H. Wills.

SENIOR ESSAYISTS.

W. J. Andrews,	Palmer Dalrymple,	P. C. Graham,
W. W. Ashe,	R. R. Eason,	J. V. Lewis,
M. W. Ball,	J. M. Fleming,	E. R. McKethan,
J. L. Cuninggim,	G. M. Graham,	C. S. Mangum.
G. H. Currie,		

HONORARY DEGREES.

DOCTORS OF LAWS.

Joseph B. Batchelor,	North Carolina.
Robert Bingham,	North Carolina.
James H. Horner,	North Carolina.
Walter L. Steele,	North Carolina.

DOCTORS OF DIVINITY.

Edward M. Gushee,	Massachusetts.
Wilson J. McKay,	South Carolina.
Bennett Smedes,	North Carolina.

DEGREES CONFERRED IN COURSE.

BACHELORS OF ARTS.

Andrews, William Johnston,	Raleigh.
Batchelor, Francis Howard,	Raleigh.
Bryan, Shepard,	Newbern.
Cuninggim, Jesse Lee,	Chapel Hill.
Dalrymple, Palmer,	Jonesboro.
Fleming, John Martin,	Raleigh.
McKethan, Edwin Robeson,	Fayetteville.
Mangum, Charles Staples,	Chapel Hill.
Wills, William Henry,	Greensboro.

BACHELORS OF PHILOSOPHY.

Ball, McCord Wright,	Greensboro.
Davies, William Watkins, Jr.,	Drapersville, Va.
Eason, Robert Ransom,	Selma.
Graham, George Mordecai,	Hillsboro.
Graham, Paul Cameron,	Hillsboro.
Patterson, Andrew Henry,	Salem.
Ransom, George,	Weldon.
Thompson, Seymour Columbus,	Cedar Cliff.

BACHELORS OF SCIENCE.

Morehead, John Motley,	Leaksville.
Spoon, William Luther,	Rock Creek.

BACHELORS OF LETTERS.

Ashe, William Willard,	Raleigh.
Currie, George Hendon,	Clarkton.

BACHELORS OF ENGINEERING.

Lewis, Joseph Volney,	Darlington.
Patterson, Andrew Henry,	Salem.
Shaw, Howard Burton,	Tarboro.
Spoon, William Luther,	Rock Creek.

BACHELORS OF LAWS.

Martin, Edwin Wray,	Little Rock, Ark.
Peebles, Calvert Goosley,	Jackson.
Redwine, Robert Burwell,	Wolfsville.
Stronach, Alexander,	Raleigh.

MASTER OF ARTS.

Fogartie, James Edward, Chapel Hill.

SPECIAL CERTIFICATES.

GREEK.

Palmer Dalrymple.

MATHEMATICS.

A. H. Patterson, W. L. Spoon.

CHEMISTRY.

J. M. Morehead.

LATIN.

George Ransom.

FRENCH.

J. V. Lewis.

NATURAL HISTORY.

J. V. Lewis, J. M. Morehead.

NATURAL PHILOSOPHY.

J. V. Lewis, A. H. Patterson.
J. M. Morehead, W. L. Spoon.

HONORS.

VALEDICTORY ORATION.

Francis Howard Batchelor, Raleigh.

CLASSICAL ORATION.

Jesse Lee Cuninggim, Chapel Hill.

PHILOSOPHICAL ORATION.

Andrew Henry Patterson, Salem.

GREEK PRIZE.

James Crawford Biggs, Oxford.

KERR PRIZE IN GEOLOGY.

James Volney Lewis, Darlington.

MATHEMATICAL MEDAL.

Frank Carter Mebane, Madison.

MORAL SCIENCE MEDAL.

Francis Howard Batchelor, Raleigh.

REPRESENTATIVE MEDAL.

George Whitfield Connor, Wilson.

ESSAYIST'S MEDAL.

William Willard Ashe, Raleigh.

MANGUM MEDAL.

William Watkins Davies, Jr., Drapersville, Va.

3 0112 105778093